

chain nodes :

16 17 27 28 29 30 31 32 33

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18 19 20 21 22 23 24 25 26

chain bonds :

7-11 14-16 16-17 25-27 26-28 28-29 28-30 30-31 31-32 31-33

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
14-15 18-19 18-23 19-20 20-21 21-22 22-23 22-24 23-26 24-25 25-26

exact/norm bonds :

5-7 6-9 7-8 7-11 8-9 10-11 10-15 11-12 12-13 13-14 14-15 14-16 22-24 23-26
24-25 25-26 25-27 26-28 28-29 31-32 31-33

exact bonds :

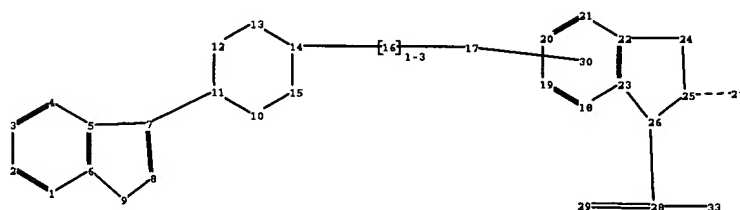
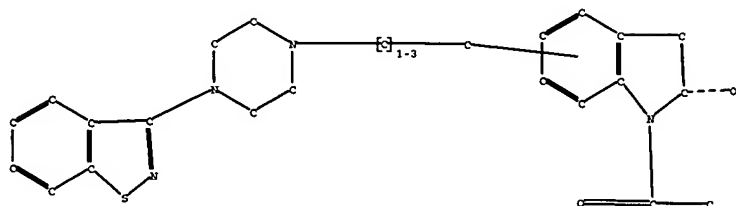
16-17 28-30 30-31

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 18-19 18-23 19-20 20-21 21-22 22-23

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:Atom 19:Atom 20:Atom
21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:CLASS 28:CLASS 29:CLASS
30:CLASS 31:CLASS 32:CLASS 33:CLASS 36:CLASS



chain nodes :

16 17 27 28 29 33

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18 19 20 21 22 23 24 25 26

chain bonds :

7-11 14-16 16-17 25-27 26-28 28-29 28-33

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
14-15 18-19 18-23 19-20 20-21 21-22 22-23 22-24 23-26 24-25 25-26

exact/norm bonds :

5-7 6-9 7-8 7-11 8-9 10-11 10-15 11-12 12-13 13-14 14-15 14-16 22-24 23-26
24-25 25-26 25-27 26-28 28-29

exact bonds :

16-17 28-33

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 18-19 18-23 19-20 20-21 21-22 22-23

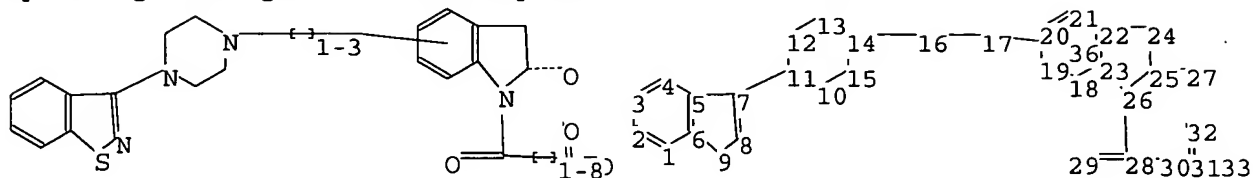
Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:Atom 19:Atom 20:Atom
21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:CLASS 28:CLASS 29:CLASS
30:CLASS 33:CLASS

10/689773

=>

Uploading C:\Program Files\Stnexp\Queries\10689773.str



chain nodes :

16 17 27 28 29 30 31 32 33

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18 19 20 21 22 23 24 25
26

chain bonds :

7-11 14-16 16-17 25-27 26-28 28-29 28-30 30-31 31-32 31-33

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
14-15 18-19 18-23 19-20 20-21 21-22 22-23 22-24 23-26 24-25 25-26

exact/norm bonds :

5-7 6-9 7-8 7-11 8-9 10-11 10-15 11-12 12-13 13-14 14-15 14-16 22-24
23-26 24-25 25-26 25-27 26-28 28-29 31-32 31-33

exact bonds :

16-17 28-30 30-31

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 18-19 18-23 19-20 20-21 21-22 22-23

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:CLASS 28:CLASS
29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 36:CLASS

L6 STRUCTURE UPLOADED

=> s 16

SAMPLE SEARCH INITIATED 17:54:08 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

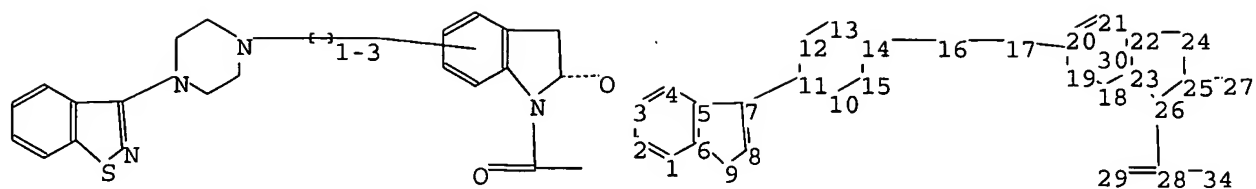
L7 0 SEA SSS SAM L6

=>

Uploading C:\Program Files\Stnexp\Queries\10689773-2.str

*Predicting
0 Answers*

10/689773



chain nodes :

16 17 27 28 29 34

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 18 19 20 21 22 23 24 25
26

chain bonds :

7-11 14-16 16-17 25-27 26-28 28-29 28-34

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
14-15 18-19 18-23 19-20 20-21 21-22 22-23 22-24 23-26 24-25 25-26

exact/norm bonds :

5-7 6-9 7-8 7-11 8-9 10-11 10-15 11-12 12-13 13-14 14-15 14-16 22-24
23-26 24-25 25-26 25-27 26-28 28-29

exact bonds :

16-17 28-34

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 18-19 18-23 19-20 20-21 21-22 22-23

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:CLASS 28:CLASS
29:CLASS 30:CLASS 34:CLASS

L8 STRUCTURE UPLOADED

=> s 18

SAMPLE SEARCH INITIATED 17:58:36 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 2 TO 124

PROJECTED ANSWERS: 0 TO 0

L9 0 SEA SSS SAM L8

=> s 18 sss full

FULL SEARCH INITIATED 17:58:46 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 62 TO ITERATE

100.0% PROCESSED 62 ITERATIONS

11 ANSWERS

10/689773

SEARCH TIME: 00.00.01

L10 11 SEA SSS FUL L8

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
164.77	357.26

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-4.38

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FILE COVERS 1907 - 28 May 2005 VOL 142 ISS 23

FILE LAST UPDATED: 27 May 2005 (20050527/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l10

L11 1 L10

=> d l11 bib abs hitstr

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:370931 CAPLUS

DN 140:375189

TI Process for preparation of 5-(2-(4-(1,2-benzisothiazol-3-yl)-1-piperazinyl)ethyl)-6-chloro-1,3-dihydro-2H-indol-2-one derivatives

IN Norris, Timothy; Colon-Cruz, Roberto

PA Pfizer Products Inc., USA

SO PCT Int. Appl., 26 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004037819	A1	20040506	WO 2003-IB4519	20031013
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,				

Apps

10/689773

TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2004138232 A1 20040715 US 2003-689773 20031021

PRAI US 2002-420843P P 20021024

OS CASREACT 140:375189; MARPAT 140:375189

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

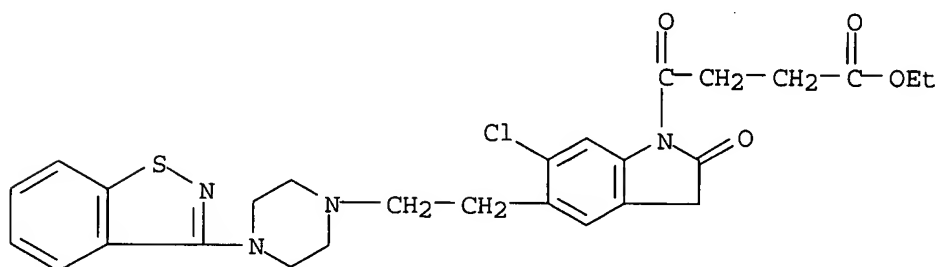
AB This invention pertains to a method for producing 5-(2-(4-(1,2-benzisothiazole-3-yl)-1-piperazinyl)ethyl)-6-chloro-1,3-dihydro-2H-indol-2-one derivs. with general formula of I [wherein R1 = H or alkyl; n = 1-5] or pharmaceutically acceptable salts thereof. For example, the compound II was prepared in a multi-step synthesis comprising alkylation and hydrolysis starting from ziprasidone. I are useful as antipsychotics (no data).

IT **685567-33-3P 685567-36-6P 685567-37-7P**

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of [(benzisothiazolylpiperazinyl)ethyl]indole derivs.)

RN 685567-33-3 CAPLUS

CN 1H-Indole-1-butanoic acid, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-2,3-dihydro- γ ,2-dioxo-, ethyl ester, monohydrochloride (9CI) (CA INDEX NAME)

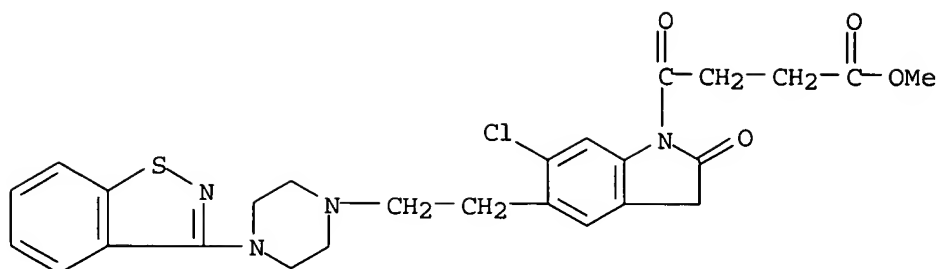


● HCl

RN 685567-36-6 CAPLUS

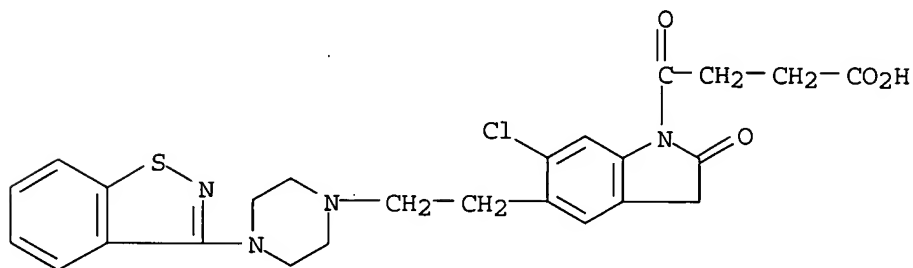
CN 1H-Indole-1-butanoic acid, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-2,3-dihydro- γ ,2-dioxo-, methyl ester, monohydrochloride (9CI) (CA INDEX NAME)

10/689773



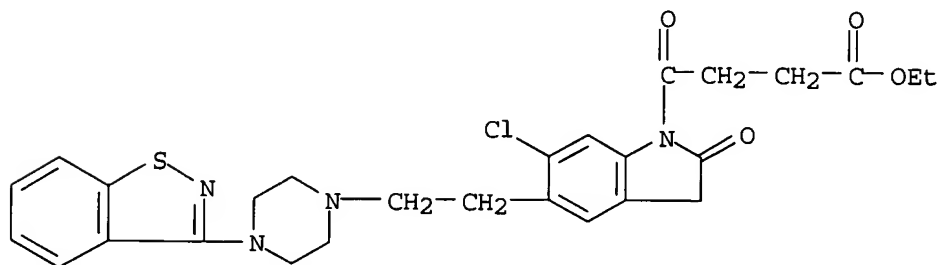
● HCl

RN 685567-37-7 CAPLUS
CN 1H-Indole-1-butanoic acid, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-2,3-dihydro-γ,2-dioxo-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

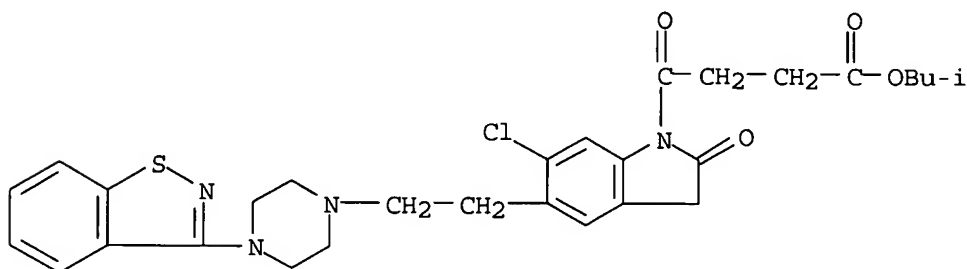
IT 685567-34-4P 685567-35-5P 685567-39-9P
685567-40-2P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of [(benzisothiazolylpiperazinyl)ethyl]indole derivs.)
RN 685567-34-4 CAPLUS
CN 1H-Indole-1-butanoic acid, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-2,3-dihydro-γ,2-dioxo-, ethyl ester (9CI) (CA INDEX NAME)



10/689773

RN 685567-35-5 CAPLUS

CN 1H-Indole-1-butanoic acid, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-2,3-dihydro- γ ,2-dioxo-, 2-methylpropyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

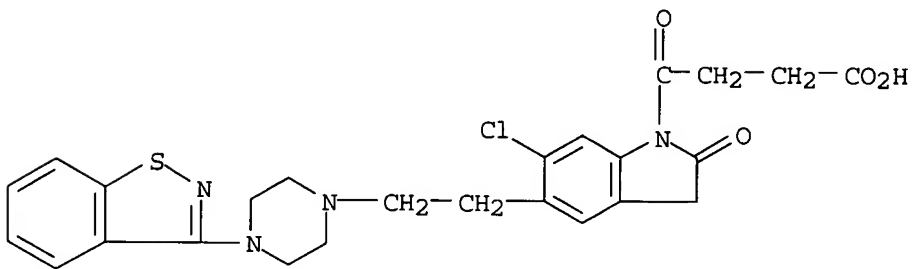
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CM 1

CRN 685567-38-8

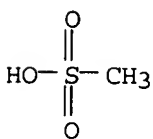
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CM 2

CRN 75-75-2

CMF C H4 O3 S



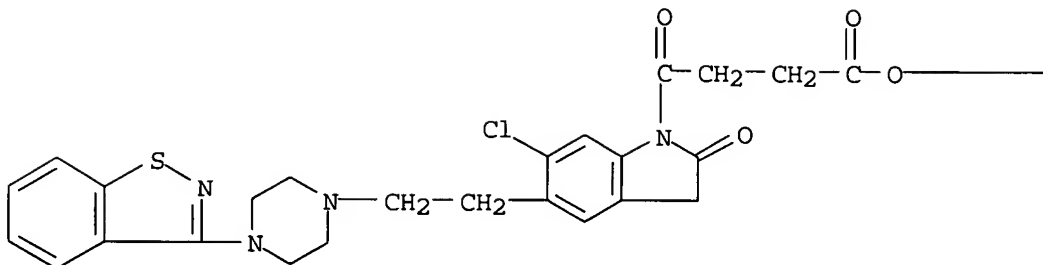
RN 685567-40-2 CAPLUS

CN 1H-Indole-1-butanoic acid, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-2,3-dihydro- γ ,2-dioxo-, decyl ester,

10/689773

monohydrochloride (9CI) (CA INDEX NAME)

PAGE 1-A



● HCl

PAGE 1-B

— (CH₂)₉—Me

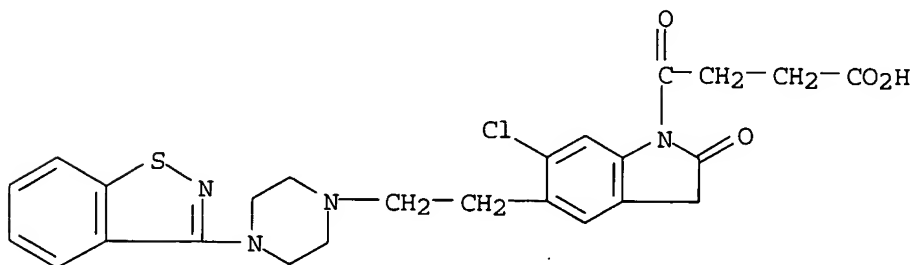
IT 685567-38-8

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of [(benzisothiazolylpiperazinyl)ethyl]indole derivs.)

RN 685567-38-8 CAPLUS

CN 1H-Indole-1-butanoic acid, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-2,3-dihydro-γ,2-dioxo- (9CI) (CA INDEX NAME)



=> file caold

COST IN U.S. DOLLARS

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

SINCE FILE

ENTRY

5.39

SINCE FILE

ENTRY

-0.73

TOTAL

SESSION

362.65

TOTAL

SESSION

-5.11

FILE 'CAOLD' ENTERED AT 17:59:26 ON 28 MAY 2005

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FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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(FILE 'HOME' ENTERED AT 17:21:31 ON 28 MAY 2005)

FILE 'REGISTRY' ENTERED AT 17:21:39 ON 28 MAY 2005

L1 STRUCTURE UPLOADED
L2 6 S L1
L3 125 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 17:22:54 ON 28 MAY 2005

L4 6 S L3

FILE 'CAOLD' ENTERED AT 17:23:47 ON 28 MAY 2005

L5 0 S L3

FILE 'REGISTRY' ENTERED AT 17:53:20 ON 28 MAY 2005

L6 STRUCTURE UPLOADED
L7 0 S L6
L8 STRUCTURE UPLOADED
L9 0 S L8
L10 11 S L8 SSS FULL

FILE 'CAPLUS' ENTERED AT 17:58:51 ON 28 MAY 2005

L11 1 S L10

FILE 'CAOLD' ENTERED AT 17:59:26 ON 28 MAY 2005

=> s 110

L12 0 L10

=> log h

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.43	363.08
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-5.11

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 17:59:50 ON 28 MAY 2005